

## ROUTER AND ROUTE CONTROL METHOD

Publication number: JP2002141931  
 Publication date: 2002-05-17  
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 Classification:  
 - international: **H04L12/56; H04L12/56**; (IPC1-7): H04L12/56  
 - European:  
 Application number: JP20000330644 20001030  
 Priority number(s): JP20000330644 20001030

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### Abstract of JP2002141931

**PROBLEM TO BE SOLVED:** To provide a router that conducts transfer of packets via networks at a low load by an IP header compression method and controls routing without confusing the packets with the same CID(Context ID) even outputted from nodes and to provide a route control method.

**SOLUTION:** The router is provided with a packet type discrimination means 101 that discriminates a packet type of a regular header, a full header and a compression header of an IP(Internet Protocol) header of a received packets from header information, a sender MAC(Media Access Control) address extract means 112, a destination IP address extract means 106 that extracts a destination IP address from the regular header, an IP address/CID extract means 105 that extracts a destination IP address/CID from the full header, a CID extract means 103 that extracts a CID from the compression header, a storage means 104 that stores a record of the sender MAC address extracted by the means 112 and the destination IP address CID extracted by the means 105 and assigns a specific number to the record, and a CID rewrite means 113 that rewrites the CID of the full header and the compression header into a specific number.

